IN THE CLAIMS

The claims are as follows:

1. (Currently amended) A metering device comprising:

a material reservoir containing coating material, and

a metering element, operationally attached for engaging a compressible material line, thereby causing a selectable peristaltic effect upon [a] the material in said compressible material line.

- 2. (Original) The metering device of claim 1, further comprising a control system operatively attached to said metering element, where said control system allows for control of the selectable peristaltic effect and said metering element.
- 3. (Original) The metering device of claim 1, further comprising a base, said base adapted so that the compressible material line is positioned between said base and said metering element.
- 4. (Original) The metering device of claim 3, wherein said base comprises a depression for engagement with said compressible material line.
- 5. (Original) The metering device of claim 1, wherein said metering element is rotatable.
- 6. (Original) The metering device of claim 1, wherein said metering element is slidable.

- 7. (Original) The metering device of claim 1, wherein said metering element has an arcuste portion.
- 8. (Original) The metering device of claim 7, wherein said metering element is a cylinder.
- 9. (Original) The metering device of claim 8, wherein said metering element is a cylinder of a plurality of diameters.
- 10. (Original) The metering device of claim 1, further comprising the compressible material line.
- 11. (Currently amended) The metering device of claim 10, further comprising wherein said a material reservoir communicating communicates with said compressible material line.
- 12. (Original) The metering device of claim 10, further comprising a material dispensing end communicating with said compressible material line.
- 13. (Original) The metering device of claim 12, wherein said material dispensing end is a dispensing needle.
- 14. (Withdrawn) The metering device of claim 12, further comprising a robotic positioning system operatively attached to said material dispensing end.

- 15. (Original) The metering device of claim 1, wherein said peristaltic effect causes a dispensing of a unit of material from said metering device.
- 16. (Original) The metering device of claim 15, wherein the quantity of said unit of dispensed material is within 2% of a desired quantity of material to be dispensed.
- 17. (Currently amended) A precision metering system comprising:

a material delivery unit including:

a material reservoir, a material dispensing end, [and] a compressible material line connecting said material reservoir and said material dispensing end, and a valve;

a base; and

a metering element, adapted to engage said compressible material line between said metering element and said base, thereby creating a peristaltic effect upon a material in said compressible material line, said peristaltic effect thereby causing a precision dispensing of a unit of material from said material dispensing end, wherein said unit of material is selectable.

18. (Original) The precision metering system of claim 17, further comprising a control system operatively attached to said metering element, wherein said control system allows for control of said metering element.

- 19. (Withdrawn) The precision metering system of claim 17, further comprising a robotic positioning system operatively attached to said material dispensing end.
- 20. (Original) The precision metering system of claim 17, wherein said metering element is a cylinder.
- 21. (Original) The precision metering system of claim 17, wherein said metering element is rotatable.
- 22. (Original) The precision metering system of claim 17, wherein said metering element is slidable.
- 23. (Currently amended) A metering device comprising:

a metering element that is one of <u>translationally</u> slidable and rotatable, operationally attached for engaging a compressible material line, and upon said sliding or rotation causes a peristaltic effect upon a material located within said compressible material line further causing a precision dispensing of a unit of material from said device.

24. (Withdrawn) The metering device of claim 23, further comprising a control system operatively attached to said metering element, wherein said control system allows for user programmability of said metering element.

- 25. (Original) The metering device of claim 23, further comprising a base, wherein said compressible material line is positioned between said metering element and said base.
- 26. (Original) The metering device of claim 23, wherein said metering element is selectable.
- 27. (Withdrawn) A metering system comprising:

a metering device including:

base;

a metering element, adapted for engaging a compressible material line positioned between said metering element and said base, thereby causing a peristaltic effect upon a material in said compressible material line;

a control system operatively attached to said metering element, wherein said control system allows for control of said metering element; and

a robotic positioning system operatively attached to said metering device.

- 28. (Withdrawn) The metering system of claim 27, wherein said metering element is a rotatable cylinder.
- 29. (Withdrawn) The metering system of claim 27, wherein said robotic positioning system includes a gantry frame.
- 30. (Withdrawn) The metering system of claim 27, further comprising:

a material reservoir;

a material dispensing end; and

the compressible material line operatively attached therebetween.

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31. (Currently amended) A method of precision dispensing of material comprising:

providing a device which includes a base[;] and a metering element;

providing a reservoir;

inserting the reservoir into the device;

positioning a compressible material line between said metering element and said

base;

moving one of said base, metering element, compressible material line, or a combination thereof, thereby causing a peristaltic effect upon a material within said compressible material line; and

dispensing a precise unit of material from said device.

- 32. (Original) The method of claim 31, wherein said metering element is a rotatable cylinder.
- 33. (Original) The method of claim 31, wherein said precise unit of material dispensed is within 2% of a quantity desired to be dispensed.